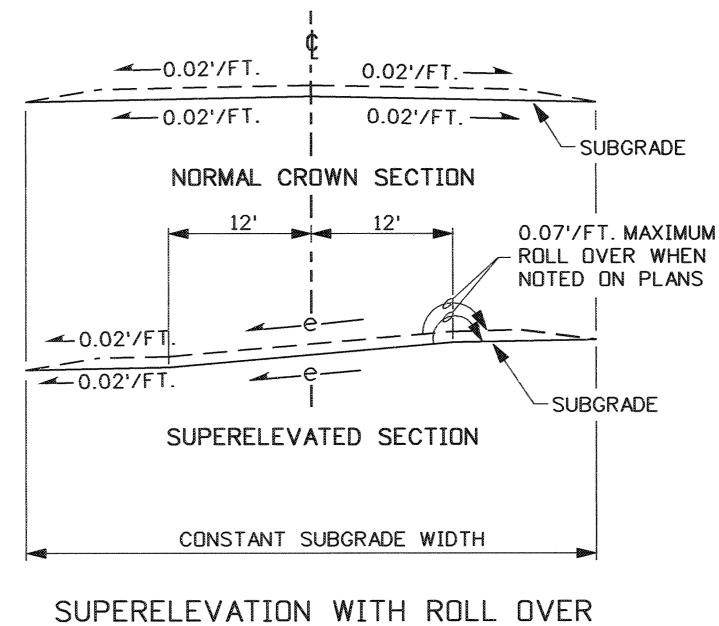
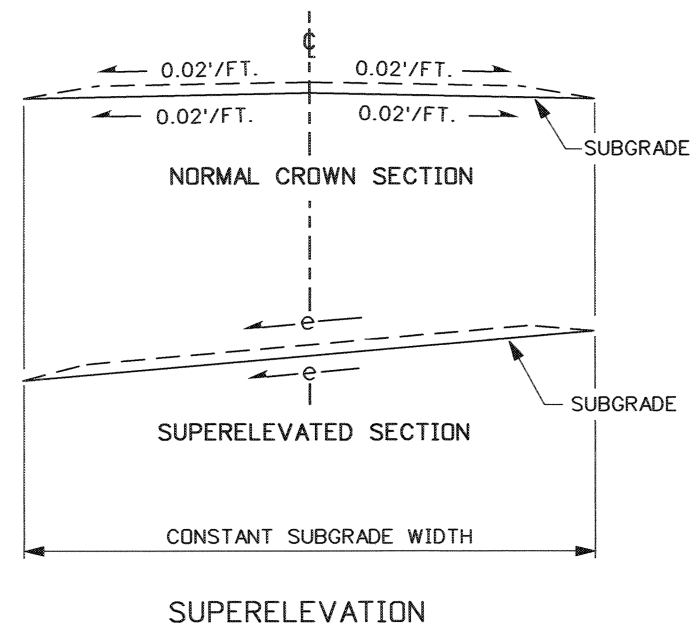
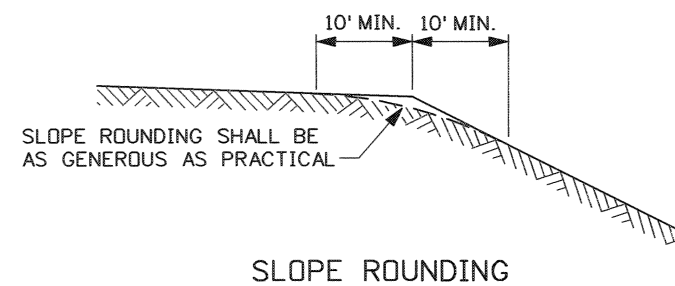


SLOPE GRADING

NOTES

1. FOR THE 8' CATCH POINT CONTROL DISTANCE:
USE 4:1 SLOPE FOR CUTS AND FILLS UP TO 2.0' IN HEIGHT.
USE VARIABLE SLOPES FOR CUTS AND FILLS OVER 2.0' AND UP TO 5.3' IN HEIGHT MAINTAINING THE CONSTANT 8' CATCH POINT DISTANCE.
USE 1 1/2:1 SLOPE FOR CUTS AND FILLS OVER 5.3' IN HEIGHT.
2. FOR THE 20' CATCH POINT CONTROL DISTANCE:
USE 4:1 SLOPE FOR CUTS AND FILLS UP TO 5.0' IN HEIGHT.
USE VARIABLE SLOPES FOR CUTS AND FILLS OVER 5.0' AND UP TO 13.3' IN HEIGHT MAINTAINING THE CONSTANT 20' CATCH POINT DISTANCE.
USE 1 1/2:1 SLOPE FOR CUTS AND FILLS OVER 13.3' IN HEIGHT.
3. CUT AND FILL SLOPES IN DIFFICULT TERRAIN MAY REQUIRE SPECIAL CONSIDERATION.
4. SLOPE ROUNDING SHALL CONSIST OF ONE OR MORE CHORDS OR ROUNDED SURFACE. THE DEPTH AND WIDTH OF SLOPE ROUNDING SHALL BE AS DIRECTED.
5. ROLL OVER WILL NOT BE USED UNLESS NOTED ON THE PLANS.
6. ALL SLOPES SHALL BE CHECKED TO DETERMINE IF THERE IS A GUARDRAIL WARRANT BASED ON SLOPE HEIGHT AND STEEPNESS.
7. WHEN USING GUARDRAIL, WIDEN SHOULDER AS SHOWN ON THE APPROPRIATE ITD GUARDRAIL STANDARD DRAWING.
8. NOT TO SCALE.



REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	9-65		6	3-90	GB	11	7-05
2	10-66		7	4-93	MSM		
3	2-69		8	2-97	MSM		
4	2-83		9	2-00	MSM		
5	3-87		10	7-03	MSM		

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
a4_0705.std

DRWG. ORIG. DATE:
MAY, 1962

**IDAHO
TRANSPORTATION
DEPARTMENT**

BOISE IDAHO

Robert Thomas
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

Steven C. Johnson
CHIEF ENGINEER

STANDARD DRAWING

**RURAL MAJOR
COLLECTOR GRADING**

English

STANDARD DRWG. NO.
A-4

SHEET 1 OF 1